

REPORT ON BOILERS.

No. 44562

-2 FEB 1937

Received at London Office

of writing Report 1.2 to 37 When handed in at Local Office 1 FEB 1937 Port of HULL

in Survey held at Hull. Date, First Survey 6th Nov. 1936 Last Survey 28th Jan. 1937

715 on the Steam Trawler "REIGHTON WYKE" (Number of Visits ✓) Tons {Gross 465.24 Net 172.73}

Built at Selby. By whom built Cochrane & Sons Ltd. Yard No. 1174. When built 1937-1
Engines made at Hull. By whom made C. D. Holmes & Co., Ltd. Engine No. 1517. When made 1937
Boilers made at Hull. By whom made C. D. Holmes & Co., Ltd. Boiler No. 1517. When made 1937.
Horse Power 120 Owners West Dock Steam Fishing Co., Ltd. Port belonging to Hull.

MULTITUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel The Steel Company of Scotland Ltd. (Letter for Record "S" ✓)

Heating Surface of Boilers 2160 square feet. Is forced draught fitted No. Coal or Oil fired Coal. ✓

Description of Boilers One single ended return Tube. Working Pressure 215 Lbs/sq. ✓

Tested by hydraulic pressure to 373 Lbs/sq. Date of test 6.1.37. No. of Certificate 3962. Can each boiler be worked separately

Area of Firegrate in each Boiler 59 sq. ft. No. and Description of safety valves to each boiler Two spring loaded 3" diameter.

Pressure of each set of valves per boiler {per Rule 11.8 12.5 as fitted 4.1372} Pressure to which they are adjusted 215 Lbs/sq. Are they fitted with easing gear Yes. ✓

Use of donkey boilers, state whether steam from main boilers can enter the donkey boiler

Clearance between boilers or uptakes and bunkers or woodwork 9" Is oil fuel carried in the double bottom under boilers

Clearance between shell of boiler and tank top plating Is the bottom of the boiler insulated Yes.

Maximum internal dia. of boilers 15'-0" Length 11'-0" Shell plates: Material Steel Tensile strength 30-34 Tons/sq. ✓

Thickness 1 3/8" Are the shell plates welded or flanged No. Description of riveting: circ. seams {end Double riveted inter. 3 3/4"}

Seams Triple riveted D.S.S. Diameter of rivet holes in {circ. seams 1 3/8" long. seams 1 13/32" Pitch of rivets 9 9/16" ✓

Percentage of strength of circ. end seams {plate 63.3 rivets 44.2} Percentage of strength of circ. intermediate seam {plate rivets}

Percentage of strength of longitudinal joint {plate 85.2 rivets 84.89 combined 87.7} Working pressure of shell by Rules 216 Lbs/sq. ✓

Thickness of butt straps {outer 1 1/16" inner 1 3/16" No. and Description of Furnaces in each Boiler Three "Deighton" Corrugated 30x ✓

Material Steel Tensile strength 26-30 Tons/sq. Smallest outside diameter 3'-8 1/16" ✓

Length of plain part {top bottom} Thickness of plates {crown 2 1/32" bottom 2 1/32" Description of longitudinal joint Welded. ✓

Dimensions of stiffening rings on furnace or c.c. bottom Working pressure of furnace by Rules 217 Lbs/sq. ✓

Stays in steam space: Material Steel Tensile strength 26-30 Tons/sq. Thickness 1 1/32" Pitch of stays 18 1/2" x 19 1/2" ✓

Are stays secured Double nuts & washers. Working pressure by Rules 218 Lbs/sq. ✓

End plates: Material {front back} Steel Tensile strength {26-30 Tons/sq. 26-30 Tons/sq.} Thickness {15/16" 2 1/32"}

Minimum pitch of stay tubes in nests 10.69" Pitch across wide water spaces 14" Working pressure {front 225 Lbs/sq. back 220 Lbs/sq.}

Boilers to combustion chamber tops: Material Steel Tensile strength 29-33 Tons/sq. Depth and thickness of girder

Centre 9 1/4" Wings 9 1/4" Centre x 7/8" Double Length as per Rule 3'-0 1/4" Distance apart 8" Centre 9 1/8" Max. wings No. and pitch of stays

Each 3 x 8 1/4" pitch Working pressure by Rules 221 Lbs/sq. Combustion chamber plates: Material Steel Tensile strength 26-30 Tons/sq. Thickness: Sides 25/32" Back 11/16" Top 11/16" Bottom 25/32" ✓

Height of stays to ditto: Sides 10 1/4" x 8 1/2" Back 9 1/2" x 7 3/4" Top 8 1/4" x 9 1/8" max. Are stays fitted with nuts or riveted over Nuts. ✓

Working pressure by Rules 218 Lbs/sq. Front plate at bottom: Material Steel Tensile strength 26-30 Tons/sq. ✓

Thickness 15/16" Lower back plate: Material Steel Tensile strength 26-30 Tons/sq. Thickness 27/32" ✓

Height of stays at wide water space 14" x 7 3/4" Are stays fitted with nuts or riveted over Nuts. ✓

Working Pressure 221 Lbs/sq. Main stays: Material Steel Tensile strength 28 Tons minimum ✓

Pitch of stay meter {At body of stay, or Over threads} 3 1/4" No. of threads per inch 8. Area supported by each stay 361 square inches ✓

Working pressure by Rules 215 Lbs/sq. Screw stays: Material Steel Tensile strength 26 Tons minimum ✓

Pitch of stay meter {At turned off part, or Over threads} 1 3/4" No. of threads per inch 10. Area supported by each stay 73.6 square inches ✓



